

## Chapter 8. State Indicators

### 8-5A Eighth Grade Mathematics Performance, White Students

#### Description

---

This indicator represents the average score in mathematics of each state's eighth grade public school students on the National Assessment of Educational Progress (NAEP). The NAEP mathematics assessment is a congressionally authorized measure of student performance that is conducted by the National Center for Education Statistics. It measures students' knowledge and skills in mathematics and their ability to apply that knowledge in the content areas of number properties and operations; measurement; geometry; data analysis, statistics, and probability; and algebra. Student performance is presented in terms of average scores on a scale from 0 to 500.

Approximately 164,600 eighth grade students, of whom 87,000 were white, participated in the 2013 NAEP mathematics assessment. All 50 states and the District of Columbia participated in the 2013 NAEP mathematics assessment. Students with disabilities or limited English-language proficiency were allowed to use certain accommodations (e.g., extra testing time or individual rather than group administration). All data presented here represent scores from tests taken with accommodations offered. Demographic percentages of test takers by state are included in this indicator's standard error table. For national data across all demographic groups, see indicator 8-5.

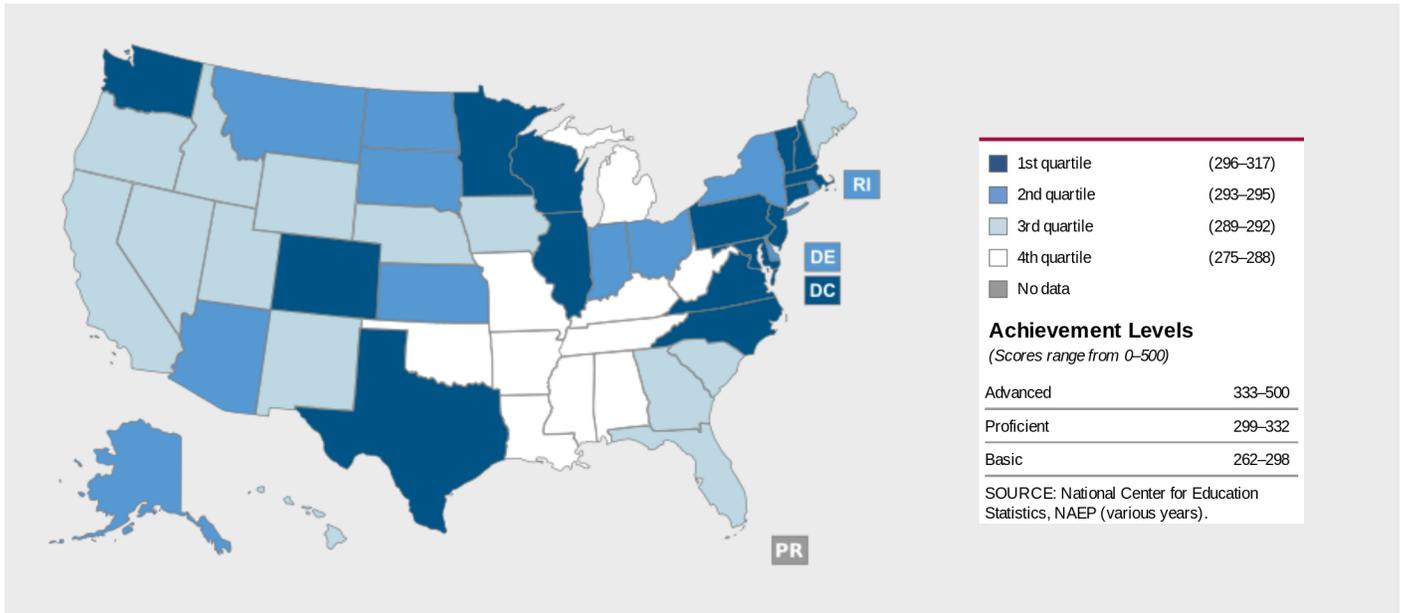
#### Findings

---

- Percentages of white test takers in 2013 varied on a state level from 13% to 92%. Nationally, in 2013, 53% of eighth grade mathematics test takers were white students compared to 62% in 2003.
- In 2013, the nationwide average mathematics score of white eighth grade students was 293, an increase from 287 in 2003. In 2013, the nationwide average mathematics score of eighth grade students was 284.
- Average mathematics scores varied significantly across states, ranging from 275 to 307.
- None of the statewide averages were lower in 2013 than in 2003. Almost all statewide averages were higher in 2013 than in 2003, except for the statewide average scores for Michigan, New York, North Carolina, and South Carolina, which were virtually the same in 2013 as in 2003.

## 8-5A Eighth Grade Mathematics Performance, White Students

Year: 2013

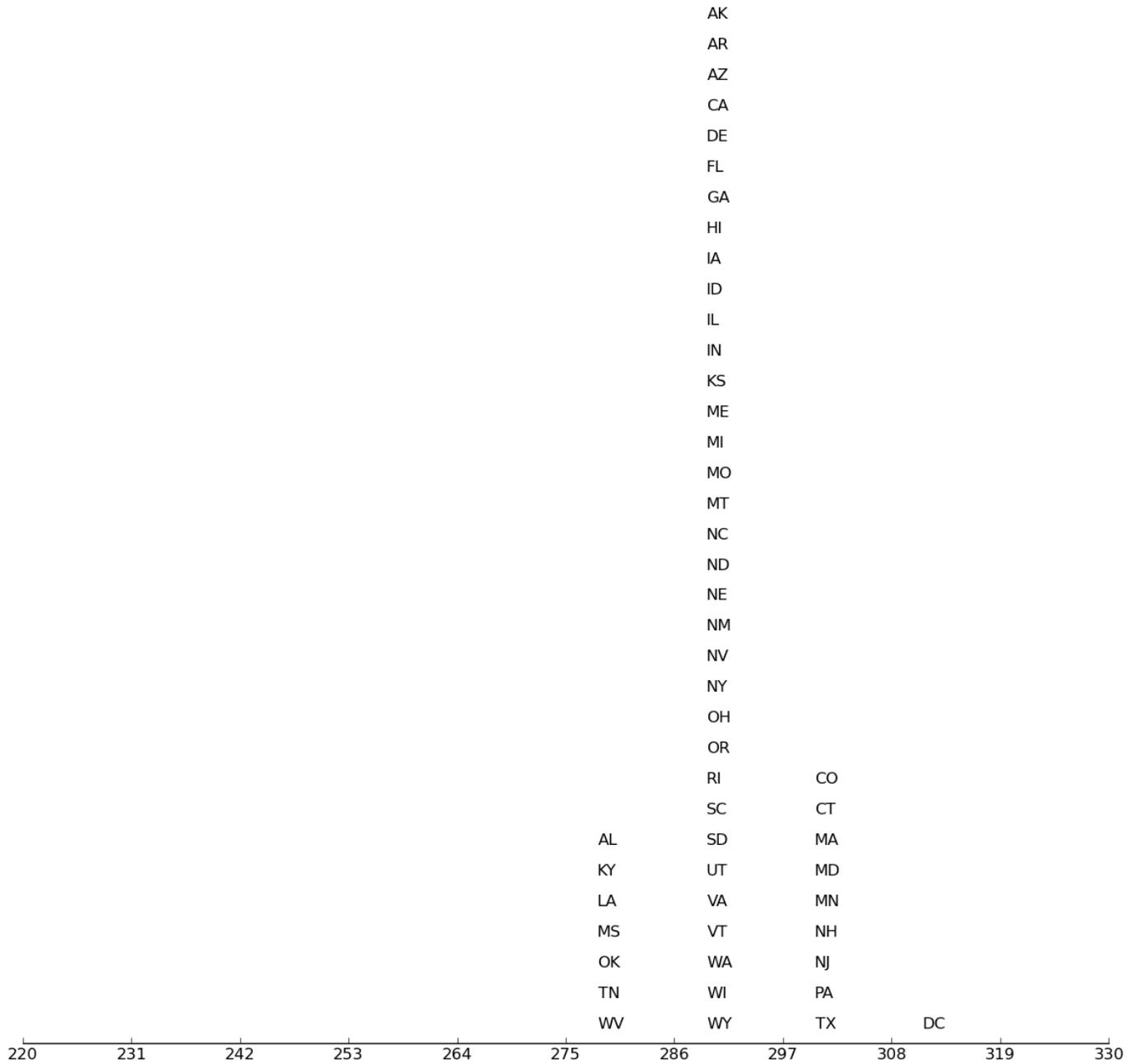


## 8-5A Eighth Grade Mathematics Performance, White Students

Year: 2013

Distribution of states across indicator values

---



## Chapter 8. State Indicators


**Table 8-5A** Eighth Grade Mathematics Performance, White Students

State	8th grade math performance, white students (Score out of 500)						
	2000	2003	2005	2007	2009	2011	2013
United States	283	287	288	290	292	293	293
Alabama	275	274	276	278	280	280	280
Alaska	NA	290	288	294	293	296	294
Arizona	281	284	288	289	292	294	294
Arkansas	268	275	281	282	284	287	286
California	277	283	284	287	289	290	291
Colorado	NA	292	292	296	299	302	300
Connecticut	291	293	293	293	298	297	297
Delaware	NA	287	291	294	294	294	293
District of Columbia	300	S	317	S	S	319	317
Florida	NA	286	286	289	289	287	291
Georgia	279	284	284	288	289	291	292
Hawaii	274	273	277	278	282	290	290
Idaho	280	284	284	287	292	291	291
Illinois	285	289	289	291	294	294	296
Indiana	285	286	286	290	291	290	293
Iowa	NA	287	286	288	287	288	289
Kansas	287	290	289	295	294	295	295
Kentucky	272	277	276	282	282	284	283
Louisiana	275	281	281	283	283	283	285
Maine	281	282	281	287	287	290	290
Maryland	286	289	292	300	303	303	299
Massachusetts	284	292	297	305	305	304	307
Michigan	285	286	285	285	286	286	287
Minnesota	290	295	296	297	300	302	301

8th grade math performance, white students (Score out of 500)

State	2000	2003	2005	2007	2009	2011	2013
Mississippi	268	275	279	279	279	283	285
Missouri	277	284	284	288	290	288	288
Montana	288	289	290	291	296	297	293
Nebraska	285	287	289	291	291	290	292
Nevada	273	278	280	282	287	292	289
New Hampshire	NA	287	286	289	293	293	297
New Jersey	NA	292	295	298	302	304	303
New Mexico	274	282	279	285	288	290	289
New York	284	293	290	290	294	291	294
North Carolina	287	294	292	295	297	296	296
North Dakota	285	290	290	295	296	296	294
Ohio	285	287	289	291	291	295	294
Oklahoma	274	278	278	280	282	286	281
Oregon	284	284	287	289	290	287	290
Pennsylvania	NA	285	287	293	294	294	297
Rhode Island	275	280	281	284	286	292	294
South Carolina	277	291	294	293	293	293	292
South Dakota	NA	288	291	292	295	295	294
Tennessee	269	277	278	282	282	281	284
Texas	286	290	295	300	301	304	300
Utah	277	285	283	286	289	289	291
Vermont	281	286	288	292	293	295	296
Virginia	283	290	293	296	294	297	296
Washington	NA	285	289	291	295	294	296
West Virginia	267	271	270	271	271	274	275
Wisconsin	S	290	291	292	294	295	296
Wyoming	278	286	284	290	289	291	290
Puerto Rico	NA						

8th grade math performance, white students (Score out of 500)

State	2000	2003	2005	2007	2009	2011	2013
-------	------	------	------	------	------	------	------

NA = not available; S = data are suppressed because reporting standards were not met.

SOURCE: National Center for Education Statistics, NAEP (various years).

NOTES: The National Assessment of Educational Progress (NAEP) scores are for public schools only. The national value for the United States is the reported value in the NAEP reports.

*Science and Engineering Indicators 2016*